

HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM MEETING MINUTES

August 23, 2012

These minutes summarize the meeting of the Hunters Point Naval Shipyard (HPNS) Base Realignment and Closure (BRAC) Cleanup Team (BCT) held on August 23, 2012 at CH2M HILL's office in Oakland, California. Participants in the meeting included the BCT, which is made up of representatives from the U.S. Navy, the U.S. Environmental Protection Agency (USEPA), the California Department of Toxic Substances Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (Water Board). The City of San Francisco (City), their consultants, the Lennar team of developers, and Navy consultants also attended the meeting. These minutes describe the key points, decisions, and action items agreed to at the meeting. A list of attendees is included as Attachment A. The document review table is included as Attachment B. Action items from the meeting are included as Attachment C.

1.0 Navy Business/Action Items (Keith Forman, Navy)

Keith Forman (Navy) began the meeting with introductions. Ross Steenson (Water Board) and Tina Low (Water Board), Craig Cooper (USEPA), and Ryan Miya (DTSC) were present to represent the regulatory agencies involved on the project.

Action Items from the July meeting include the following:

- Mr. Cooper would like to see the data points where the Navy found low-level cesium detections in the utility corridor investigation along the Gun Mole Pier. *In Progress.*
- Mr. Cooper would like the Navy to better describe within their radiological reports the management of low-level cesium hits and sediment sampling in utility vaults. *Complete. Chris Yantos (Navy) noted that future radiological reports will be revised to include additional information on this sampling.*
- The Navy will submit a letter to the regulatory agencies documenting the new Parcel boundary between Parcel E and E-2. *In Progress. Scheduled to be submitted on August 27, 2012.*

2.0 Radiological Update (Chris Yantos, Navy)

Mr. Yantos began the radiological program update and summarized the Crisp Road/Parcel E sanitary sewer and storm drain removals and building surveys. Mr. Yantos said that the Navy has received free release letters from the California Department of Public Health (CDPH) on Building 414 and Sites 701 and 704. The Final Status Survey (FSS) for Site IR-04 and Building 807 was submitted on February 10, 2012, and CDPH requested confirmation samples that have been provided. Mr. Miya noted that CDPH received the confirmation sample results and there were no surprises. He anticipates that CDPH will be sending out a free release letter sometime soon. The final UC-3 Radiological Remedial Action Completion Report (RACR) was submitted on March 16, 2012; the Navy is awaiting a free release letter.

The sanitary sewer and storm drain removal began in Parcel C on January 4, 2011 and Phase I is considered complete. The Navy removed, 22,907 linear feet of sanitary sewer and storm drain lines from Parcel C, which is about 65 percent of the total Parcel C removal. The Navy has excavated 35,979 cubic yards of materials and restored/repaved all 41 active survey units.

Mr. Yantos summarized the Parcel C building surveys. The Navy has received a free release letter from CDPH for Buildings 203, 214, 271, and 272. Mr. Miya noted that CDPH is expected to send out the free release letter to the Navy on August 24, 2012. A contract for Phase II of the Parcel C work was awarded and will include removal of the remaining 14,300 linear feet of sanitary sewer and storm drain lines and survey of the Ship Berths 1 through 5; but surveys of the buildings was not included. The Execution Plan and Health and Safety Plan are being prepared and the internal draft Archeological Monitoring and Discovery Plan and Design Plan have been submitted. The agencies will get these documents for review but these procedures have already been developed and used at HPNS. The Navy will issue these documents as final; however, a cover letter will be provided to the regulatory agencies identifying portions of the report that were revised based on the Phase II scope of work.

The fieldwork at the Parcel E 500 Series is complete. The internal draft FSS for Buildings 503, 506, 507, 508, 517, and 520 is currently being prepared. The final FSS for Buildings 509, 529, and 510/510A is currently being prepared. The final FSS for Buildings 500 and 521 and the responses to comments (RTCs) are currently under Navy review. Scans have been completed and the Navy is awaiting off-site analytical results for the Shacks 79/80 sites. The 500 Series Area scanning and sampling is 88 percent complete.

The Parcel E 500 Series sanitary sewer and storm drain removals were completed on June 18, 2012. The Navy has removed 16,119 linear feet of sanitary sewers and storm drains from Parcel E, which is about 40 percent of the total removal area. The Navy has restored 20 of 24 active survey units. The remaining work will include replacement of asphalt along the southern side of Building 606, continuation with installation of the swales, continuation of surveying, sampling, and remediation of active trench units; and complete backfill and site restoration of the trench units.

Mr. Yantos noted that contamination in the Parcel E 500 Series is typically being found in the three areas which are topographically lower than the surrounding areas. This information will be included in the 500 Series Open Area report. Almost all of this contamination is from cesium. The levels of contamination are just above the release criteria and are comparable to atmospheric levels, which suggest that as rain water drains and pools onsite, cesium would collect in these natural depression areas.

Mr. Yantos gave an update on the strontium-90 remediation efforts in the Building 707 Triangle area. The Navy removed the concrete and scanned for radioactive contamination in the area. Strontium was found near the southern corner of the triangle area. Historically, this area was used for drum storage. In addition to strontium, cesium was also found in this area. The remediation of strontium was completed by removing the soil in the area down to 24 inches and adding two adjacent survey units to ensure that the strontium contamination was removed and bounded by clean samples. The Navy is awaiting results of the final confirmation samples but believes everything has been removed and bounded.

Mr. Yantos noted that the Gun Mole Pier work commenced on May 14, 2012. Subsurface vault and manhole sediment sampling along the pier is complete. Removal of the concrete pads and structures are complete and removal of the utility corridors is complete. The Navy is currently reviewing sampling results and some areas will require additional remediation. The Navy has completed remediation of survey units impacted with cesium-137 and is awaiting final results. The recollection of the final gamma walkover data has commenced at the site.

Additional field work at the South Pier started in July 2012; subsurface vault sediment sampling is complete and surveys of the concrete walls and utility hoods are 60 percent complete. The final South Pier Task Specific Plan Addendum was issued to the regulatory agencies and final gamma walkover data will be collected at the end of the project.

In Parcel D-1, at Building 383 the Navy has completed removal of the concrete foundation and the remediation is complete with confirmation samples meeting the release criteria. The Navy is currently preparing an internal draft FSS report for the area. The draft FSS report for Buildings 313, 313A, and 322 Sites is planned for submittal in September 2012. The draft FSS for Building 274 is in regulator review with comments due September 10, 2012. The sanitary sewer and storm drain removals are complete and the Navy is preparing the final survey unit reports. The Navy is also working on responses to regulatory comments for Survey Unit Project Reports (SUPR) packages 101 through 106. The only one remaining is SUPR package 107, which will include four survey units and will likely be submitted in September 2012.

The final Parcel UC-3 RACR was submitted to the regulatory agencies in March 2012, and the Navy is awaiting a free release letter from CDPH. The Navy has received free release letters for the Parcel D-2, G, UC-1, UC-2 and B RACRs. Mr. Miya asked if Mr. Yantos could inform him when the agencies have received all the SUPRs for a given parcel so that he could contact CDPH.

Mr. Yantos noted that the second version of the draft Radiological Risk and Dose Modeling for Sites IR-07/18 was submitted on September 12, 2011. The Navy and CDPH held a meeting on April 2, 2012 to identify specific sections requiring revisions. The Navy revised the text and provided additional information according to comments received by CDPH. The Navy submitted an over-the-shoulder review of the revisions to CDPH on June 29, 2012.

Amy Brownell (City) noted that the Department of Homeland Security Domestic Nuclear Detection Office is doing a research project to assess background radiation levels in the San Francisco Bay Area. At the City's request, they will also include the areas of HPNS and Treasure Island.

3.0 Parcel B Revetment and TPH Combined Site Areas (Simon Loli, Navy)

Simon Loli (Navy) presented the planned deep soil data gaps investigation for combined site CAA-21/22 and Area of Concern (AOC) 46-A/B in Parcel B. The Water Board and City have concerns regarding the likely presence of non-aqueous phase liquid (NAPL) in contaminated soil adjacent to San Francisco Bay. Historically, the Navy completed a NAPL excavation in 2010 but was not able to remove all the NAPL in the soil. There is currently a quay wall adjacent to the site which is concrete in the northwest portion and wooden in the southeast portion. During the time of the NAPL removal, safety considerations due to the deteriorated condition of the wooden quay wall prevented access to this area and about 20 feet inland from this wall. In 2011, adjacent

Piers B and C were removed. The Pier C removal included removing the deck above the quay wall and this area is now accessible to field teams.

The current plan for the shoreline revetment wall at Parcel B has been amended to bring the revetment across the wooden quay wall portion of the shoreline to meet the southeast edge of the concrete quay wall. This revetment wall is scheduled for installation in fall 2012. Installation of this revetment will include excavation of some amount of the shoreline sediment. This scheduled work necessitates the data gap involving the deep soil petroleum contamination adjacent to the shoreline being considered a time-critical issue. The extension of the shoreline revetment wall to Building 130 will address the regulators' concerns regarding long-term stability of the shoreline adjacent to petroleum-impacted deep soil located in the combined site area. The Navy needs to collect additional deep soil data to fully address the need for potential changes in the revetment wall design to address the petroleum-impacted deep soils along the shoreline. The revetment wall is part of the remedy for Parcel B but will also serve as a barrier to keep deep petroleum contamination from leaching into San Francisco Bay.

Mr. Loli posted a map of the site showing the location and number of deep soil borings in the area between the combined site and the San Francisco Bay. The Navy is proposing eight boring locations that will be advanced under the Basewide Petroleum Program. The Navy will collect seven soil samples from between 10 and 30 feet below ground surface from each boring. Samples will be analyzed for total petroleum hydrocarbon as diesel and motor oil. The proposed scope and locations have been informally approved by the Water Board. The work will be conducted under the existing site work plan and sampling plan and no additional planning documents are needed. Mr. Loli added that if the samples are not impacted with petroleum contamination then the proposed construction of the revetment wall will not need to be changed. If the samples are impacted with petroleum contamination, then the Navy will need to take this into account and change the construction plans for the revetment in just that area. Mr. Steenson noted that even if the samples come back and are not impacted by petroleum contamination, then the Water Board would still like to see a groundwater cut-off structure installed at the site and institutional controls. Mr. Forman asked what type of cut-off structure he was referring to. Mr. Steenson noted that the Water Board would want to see something to limit groundwater flow to the San Francisco Bay. Mr. Forman confirmed with Mr. Steenson that the current proposed sampling approach is enough to make a final remediation determination for the site.

Drilling is expected to start on September 17, 2012 with a summary data gap report produced in November 2012 and issued to the agencies in December 2012.

4.0 Fieldwork Update (Melanie Kito, Navy)

UC-1 and UC-2

Ms. Melanie Kito (Navy) gave a presentation on the remedial action implementation at UC-1 and UC-2. The soil cover installation on the slopes alongside the roadways has been completed and plants have been planted. The subgrade restoration has been completed in the damaged areas of Fisher Avenue, Spear Avenue, and Robinson Street. The Navy excavated to competent material and installed and compacted new subgrade material. Asphalt grinding was performed to remove old pavement surface in areas to receive asphalt overlay and the paving is in process. Ms. Kito presented a completed schedule of the activities on the site and one year of operation and maintenance of the site will begin in August 2012. Ms. Low asked about the drainage plan for

these areas. The Navy responded that areas where water was ponding were filled and any location that has a drop inlet that is not functioning as planned will have a pump installed to actively relocate water to a drainage swale.

PCB Hot Spot Area

Ms. Kito presented before and after photographs of the polychlorinated biphenyl (PCB) hot spot removal action. The Navy removed approximately 43,000 cubic yards of PCB-, petroleum-, and lead-contaminated soil from the shoreline along San Francisco Bay. They also removed 3,000 cubic yards of concrete, asphalt, trash and keel blocks. They found and removed 56 radioactive commodities and cleared 60 tires. They also completed screening of material potentially presenting an explosive hazard (MPPEH) and clearance of 36,000 cubic yards of soil with no “live” findings. In addition, a temporary revetment was installed along the shoreline.

The remaining work at the site includes backfilling at Tier 3, demobilization of the radiological screening pads, final gamma walkover survey of non-construction areas, site restoration and completion of offsite transportation and disposal. The Navy is currently completing backfilling activities and site restoration activities and will submit the draft removal action completion report in December 2012.

Experimental Ship Shielding Range

Ms. Kito noted that the goal was to investigate and remove cobalt-60 contamination resulting from historic Navy experiments. The excavation work was completed in August 2012. The Navy performed biological surveys throughout the duration of the fieldwork, collected pre-excavation waste characterization samples, and excavated approximately 4,630 cubic yards of soil. The excavated soil was screened for radioactive contamination and only 1.5 cubic yards were found to be radiologically impacted. The Navy completed their final conditions survey on August 16, 2012 and laboratory results showed no cobalt detections above the release criteria. The Navy will continue air monitoring and dust suppression during earthmoving activities, backfill the low areas, perform site restoration, and demobilize from the site.

Ms. Low asked how the release criteria will impact the record of decision (ROD) since the cleanup value in the ROD is lower than the release criteria used during the fieldwork. Ms. Kito responded that the cobalt value listed in the ROD is not feasible in the laboratory; therefore, the revised cleanup value will be the one that was used at the ship shielding range as will be documented in the draft final ROD.

5.0 Parcel E-2 ROD Responses To Comments (Lara Urizar, Navy)

Lara Urizar (Navy) wanted to review agency comments on the ROD and the Navy’s preliminary responses for topics requiring further discussion.

Charlie Huang (CDFG) and Tami Nakahara (CDFG) joined the meeting via teleconference and wanted to note their objections to the Navy’s responses to CDFG comments on the Responsiveness Summary (Attachment 3 to the Record of Decision) for Parcel E-2. CDFG comment #2 expressed CDFG’s concern about the lack of a biotic barrier layer incorporated into the conceptual landfill design. Ms. Nakahara noted that at a landfill site at Moffett Field, poison is being used to control gophers in the area so the gophers do not damage the landfill cover. She has concerns about the use of poison at any landfill site, including Parcel E-2, because of its

potential effect on non-target species, including birds protected under state and federal regulations. Ms. Urizar noted that during the most recent operation and maintenance inspection, the animal burrows observed on the Parcel E-2 landfill were made by moles and did not extend more than seven inches below the ground surface. This depth is well above the geomembrane liner and they are not expected to impact the liner. The Navy stated that the landfill will be inspected and maintained on a regular basis and if a breach in the geomembrane liner is discovered it will be repaired. Mr. Huang and Ms. Nakahara also noted their objections to the Navy's response on CDFG's comment #4a. The Navy maintains that past ecological assessments presented in the final Remedial Investigation/Feasibility Study (RI/FS) are adequate for determining the Applicable or Relevant and Appropriate Requirements (ARARs) for the Parcel E-2 remedial action. However, the Navy acknowledges that ongoing restoration efforts at Yosemite Slough may change site conditions in the area and the Navy will perform a focused biological survey in conjunction with the Parcel E-2 Remedial Design. Ms. Nakahara noted that this additional work is not specifically called out in the text of the ROD and CDFG would like the text revised. Ms. Urizar noted that the Navy commitment to performing these biological surveys is in the RTCs which will be part of the ROD and the official record. Mr. Miya noted that the text provided by the Navy in the response to comment #4a says that the Navy will perform a biological survey in the area and follow-on actions will be based on the results. It is his understanding that it was the Navy's legal staff who drafted the Navy's response and modifications to this language would need to go through the Navy's legal staff. Ms. Nakahara noted that the Navy had previously discussed the possibility of filing an Explanation of Significant Differences (ESD) if federally endangered species are observed on the site and she reiterated that the CDFG would like this documented in the text of the ROD, and if the Navy was unwilling to do so then CDFG wants language added to the ROD that states that actions stipulated in the RTCs are legally binding. The CDFG continued and noted that if this new language is not added to the ROD, then they will invoke the dispute resolution process regarding this matter. Mr. Miya noted that since the language is documented in the RTCs, this might be a situation where the lawyers for DTSC and CDFG could meet and discuss the text and if necessary involve the Navy lawyers in the matter, prior to pursuing this under the dispute resolution process. He added that the Navy is not trying to create a loophole so that the Navy has to perform less work at the site. Ms. Kito also added that this site will also be reviewed under the five-year review process to document and potential change to parts of the remedy that are no longer protective of human health or the environment. Mr. Miya will set up a call between DTSC and CDPH to further discuss this issue.

Rafael Montes (Bay Conservation and Development Commission [BCDC]) asked Mr. Forman if they received their comments on the Parcel E-2 ROD. Mr. Forman noted that they did but they were submitted well after the closure of the comment period and they were coupled with the comments received from ArcEcology. These comments will be attached to the ROD. Mr. Forman noted that they will need a few more days for the draft final ROD and will likely be submitted on September 24, 2012.

Mr. Cooper noted on his USEPA general comment #2 concerning the integration of removal actions and remedial action that he included data in his comment that has previously been presented at BCT meetings but has not yet to be published, so therefore it is not presented in the ROD. He asked if the Navy will screen the removal action cleanup results not presented in the ROD against the remedial goals presented in the ROD and then address any exceedances in the remedial design for the site. The Navy confirmed that this is how they will handle that situation. Regarding USEPA specific comment #3, the Navy clarified that Installation Restoration (IR) Site

01/21 is the landfill area and the Navy is not presenting new boundary information in the ROD. Mr. Cooper moved on to USEPA specific comment #9b, and confirmed what the Navy discussed during the last BCT meeting and what was affirmed in the Navy's response to the comment. They will discuss this situation further in the remedial design phase. Mr. Cooper confirmed on USEPA specific comment #10b that the Navy will document changes from the Proposed Plan to the ROD in a section within the ROD. The Navy confirmed that this section will be in the ROD to document significant changes from the Proposed Plan. On specific comment #13, the Navy talks about the unpublished data collected from the PCB Hot Spot investigation and he would suggest deleting that data. The Navy agreed. On specific comment #21d, Mr. Cooper did not understand that the landfill in the University of California at San Francisco property is 30 feet deep and that therefore this comment does not apply. On USEPA specific comment #23, he would like to have the flexibility to pick one or the other or both technologies for the remedy and suggests changing the language to "and/or." Mr. Cooper added that USEPA sent the draft ROD to USEPA headquarters to review the institutional controls section and they are going to review the changes internally before sending to the Navy. Mr. Cooper hopes these minor changes can be incorporated into the draft final version. Mr. Cooper will review the environmental justice comments received from ArcEcology internally and then he might have some additional notes on these comments.

Mr. Miya noted that DTSC has a general comment with respect to the residential risk scenario and he appreciated the Navy including that information and will try to get this information distributed within DTSC management. On DTSC specific comment #10d, he would like to know about the non-radiologically impacted area and if it would need free release from CDPH. The Navy responded that the storm drains in this area are considered radiologically impacted and the Navy is not sure if they will have areas on Parcel E-2 that will need to be free released. Ms. Brownell noted that all previous Navy figures show the boundary of the radiologically impacted area as the landfill boundary and not the Parcel boundary. Ms. Urizar noted that the original intention was to remove the sanitary sewer lines, which is consistent with the remedial investigation/feasibility study. The Navy will revise the figure to clarify that the radiologically impacted areas are the storm drains in this area. Mr. Miya noted on specific comment #10g that a license exemption will be needed on Parcel E-2 but the Navy will not document this in the ROD because a license exemption is not part of the Navy's regulatory guidance. The Navy acknowledges that the license exemption is important and will occur after the property is transferred. Ms. Brownell noted that in the Parcel B ROD, this language was not included and the Navy does not want to set a precedent at HPNS. Mr. Miya noted that he will rely on what was previously done on IR Sites 7/18. Mr. Miya asked about specific comment #17 and why the Navy used the Parcel C ROD as the reference. The Navy responded that they used the Parcel C ROD because it was the most recent ROD.

Ms. Low had an editorial suggestion on specific comment #5; she suggested putting a date in the ROD so that the date prior to which published data are included in the ROD is clear to the community. Her other concern was on specific comment #6 concerning the water source for the proposed new wetlands. She wanted to clarify her comment in that it's not the groundwater source that she is concerned about; rather she is concerned about there being enough volume to sustain the wetland and the acreage the Navy promises. Mr. Forman noted that this will be a challenge that the Navy will have to deal with during the design phase. Ms. Urizar noted that the Navy has done extensive modeling for this area but the issue will be more thoroughly investigated during the design phase. In addition, Ms. Low commented that they do have surface water quality regulations for unionized ammonia (0.025 milligrams per liter as nitrogen for

unionized ammonia and sulfide as background levels) and while it does transform to nontoxic compounds when discharged to oxygenated surfaces, it does not always transform to the levels that are protective of the environment. She mentioned that the South Bay is one example of that. She asks that the Navy clarify the water quality objectives for the wetland and how the Navy intends to ensure there is enough water to sustain the wetland in order to satisfy her comment.

6.0 Transfer Schedule Update (Keith Forman, Navy)

Based on time constraints, Mr. Forman decided to skip the community involvement presentation but did inform the BCT that the Navy is planning on doing another bus tour in September and they already have several people signed up for it.

The Navy is currently updating the FFA schedule for regulatory review. The Navy anticipates sending it to the regulators sometime during the following week. The regulators will get the schedule electronically and they will have two weeks to review. In addition, Mr. Forman will include a cover letter with the schedule to explain the major changes for each of the parcels. After the regulators submit comments, the Navy will finalize the FFA. Most of the schedule changes are in Parcel F. The final schedule will come out in a binder so the BCT members have a hard copy for their reference. Mr. Miya asked how often the FFA is updated. Mr. Forman noted that it should be done every year. Mr. Forman noted that even when the FFA goes final, the schedule is will likely change over the course of the year.

7.0 Action Items/Future Meetings (Keith Forman, Navy)

- There were no new action items identified during the meeting.
- The next BCT meeting will be held on September 20, 2012 at CH2M HILL's offices in Oakland, California. Action items are included as Attachment C.

8.0 Triad Meeting for Parcel E Groundwater (Chantry Davis, Navy)

Mr. Chantry Davis (Navy) is an intern with the Navy and will be helping on Hamide Kayaci's projects. Mr. Davis presented the Parcel E groundwater treatability study (GWTS) additional investigation. The completed field activities from the original GWTS include volatile organic compound (VOC) plume characterization along with zero-valent iron (ZVI) injections. The final GWTS was submitted in May 2011. The Navy wanted to do additional investigation to evaluate potential vadose-zone sources of trichloroethylene (TCE) at IR04 and IR36 where TCE concentrations in soil gas were greater than 15,000 micrograms per cubic meter while groundwater concentrations from this location are low to non-detect.

The additional investigation included soil gas confirmation sampling which was completed July 2012, and TCE concentrations remained constant. The Navy advanced membrane interface probe (MIP) borings to obtain semi-quantitative data on concentrations in the subsurface and soil. The Navy determined the soil and groundwater grab sample depths where the MIP indicated the highest relative VOC concentrations. The Navy is proposing to collect soil and groundwater samples using a 25-foot grid. The MIP boring data are under review and the Navy is scheduled to obtain the soil and groundwater grab samples on August 27, 2012.

The Navy noted that the depth where they believe the VOCs are located is approximately three to six feet below ground surface in the vadose zone. MIP borings were able to be advanced at all

but four locations and at six step-out locations. The borings that were not conducted included ones at locations IR36B325, IR36B301, IR36B303, and IR36B304 because of the low TCE concentrations in soil vapor. The highest responses were observed at IR36B327, IR36B330, and IR36B308 at approximately three to five feet below ground surface.

The Navy is using the data from the MIP borings to select the locations and depth intervals for obtaining soil and groundwater grab samples for laboratory analysis. The electrical conductivity log from the MIP will be used to identify the relative soil textures corresponding to the highest readings from the MIP borings. The Navy proposes to advance up to 28 direct-push borings to soil and groundwater samples for laboratory analysis. It is anticipated that these borings will help identify the source of the TCE observed in soil gas. Ms. Brasaemle (Tech Law Inc.) is worried that the ZVI injections will continue treating the groundwater and capillary fringe area within the vadose zone and that this might not give the Navy good soil data results when they go back to sample. She would like to know if there is still ZVI present in the soil samples. In addition, she thinks the Navy needs to understand the grain size which the contamination is sorbed to. The Navy responded that most of their samples were well away from where the ZVI was injected. The Navy responded that they will try to get as much information in the field regarding grain size as possible. Mr. Cooper noted that this might be the last data collection effort before the Navy moves to the ROD phase and has to select a remedy. He thinks the Navy should collect as much data as possible to eventually be used in selecting the best remedy for the site. Mr. Kito asked their contractors if they could collect grain size information while in the field. Mr. Wayne Akiyama (Shaw Group) responded that they could take out some of the proposed MIP boring locations and add the geotechnical laboratory analysis to their investigation for the boring where they expect the highest VOC concentrations.

The draft technical report addendum will go to the BCT in November 2012 with a final scheduled for February 2013.

ATTACHMENT A**HUNTERS POINT NAVAL SHIPYARD
MEETING ATTENDANCE SHEET**

Topic: BCT Meeting
Location: CH2M HILL
155 Grand Avenue
Oakland, CA
Date/Time: August 23, 2012 / 10:00 a.m.

Organization	Name	Phone Number	E-Mail Address	Present
Navy	Keith Forman	619-532-0913	keith.s.forman@navy.mil	X
	Melanie Kito	619-532-0787	melanie.kito@navy.mil	X
	Lara Urizar	619-532-0960	lara.urizar.ctr@navy.mil	X
	Hamide Kayaci	619-532-0930	hamide.kayaci.ctr@navy.mil	
	Chris Yantos	619-532-0952	christopher.yantos.ctr@navy.mil	X
	Simon Loli	619-532-0782	simon.loli.ctr@navy.mil	X
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USEPA	Craig Cooper	415-947-4148	cooper.craig@epa.gov	X
	Jackie Lane	415-972-3236	Lane.jackie@epa.gov	X
DTSC	Ryan Miya	510-540-3775	rmiya@dtsc.gov	X
Water Board	Ross Steenson	510-622-2445	rsteenson@waterboards.ca.gov	X
	Tina Low	510-622-5682	tlow@waterboards.ca.gov	X
CDPH	Jeff Wong	510-620-3423	jeff.wong@cdph.ca.gov	X
	Tracy Jue	916-324-4808	tracy.jue@cdph.ca.gov	
	Kurt Jackson			
	Larry Morgan			
	Steve Hsu	916-440-7940	steve.hsu@cdph.ca.gov	
CDFG	Charlie Wong			X
	Charlie Huang			X
	Tami Nakahara			X
City of SF	Amy Brownell	415-252-3967	amy.brownell@sfdph.org	X
Treadwell and Rollo	Sigrida Reinis	415-955-9040	sreinis@treadwellrollo.com	
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Geosyntec	Jeff Austin	415-218-0027	jasustin@geosyntec.com	X

Organization	Name	Phone Number	E-Mail Address	Present
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Tech Law Inc., <i>USEPA contractor</i>	Karla Brasaemle	415-762-0566	kbrasaemle@techlawinc.com	X
	Mary Snow			
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<i>Navy Contractors</i>				
Tetra Tech EM, Inc.	Tim Mower	313-312-8874	tim.mower@ttemi.com	
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ERRG	Doug Bielskis	925-726-4119	doug.bielskis@errg.com	X
	John Sourial	415-848-7103	john.sourial@errg.com	X
ITSI	Jim Schollard	925-946-3107	jschollard@itsi.com	
	Brett Womack	925-250-8077	bwomack@itsi.com	
	Ken Leonard	925-946-3263	kleonard@itsi.com	X
	Jeff Hess	925-946-3104	jhess@itsi.com	
	Arvind Archarya	510-719-6858	aacharya@itsi.com	
	Kent Baugh		kbaugh@itsi.com	
Shaw Group	Wayne Akiyama	925-288-2003	wayne.akiyama@shawgrp.com	X
	Ray Schul	415-822-1224	raymond.schul@sahwgrp.com	
	Ulrika Messer	619-241-9451	ulrika.messer@shawgrp.com	X
	Steve Pierce			X
Battelle	John Hardin	619-574-4827	hardinj@battelle.org	
AMEC	Alfonso Ang	415-278-2108	Alfonso.ang@amec.com	
	Jeff Fenton	707-793-3832	Jeffery.fenton@amec.com	
	Ray Hendry	303-807-4421		
PNNL	Steve Maheras			

Organization	Name	Phone Number	E-Mail Address	Present
Alliance	Tessa McRae	619-398-3220	tmcrae@onesullivan.com	
	Wenqian Dou	415-321-1785	wdou@onesullivan.com	
	Bob Hunt	619-672-2796	rhunt@onesullivan.com	
URS	Jerry Zimmerle	714-433-7738	jerome.zimmerle@urscorp.com	
CirclePoint	Matt Robinson	510-378-5511	m.robinson@circlepoint.com	X

ATTACHMENT B

HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

August 23, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
Documents Historically Reviewed									
1	B	Final Remedial Action Completion Report for IR Sites 07 and 18	5/14/12	n/a					
2	B	Draft Petroleum Hydrocarbon Corrective Action, Quarterly Monitoring Report, Fourth Quarter 2011	5/11/12	6/11/12				6/11/12	5/21/12 (no comments)
3	E	Draft Final Status Survey Results, Building 521	5/15/12	6/15/12			6/20/12		
4	E-2	Final Action Memo, TCRA for Ship Shielding	5/21/12	n/a					
5	D-1	Draft Work Package 104, Survey Units 258, 260, 263, 268, and 269	5/22/12	6/22/12			6/8/12		
6	D-1	Draft Work Package 106, Survey Units 271, 279, 280, 281, and 282	5/22/12	6/22/12			6/8/12		
7	E-2	Replacement Page for Final Action Memorandum TCRA for Ship Shielding Range	5/24/12	n/a					
8	C	Draft Survey Unit Project Reports for Survey Units 192, 194, 227, and 232	5/24/12	6/25/12			6/6/12		
Document Review Period Recently Completed									
1	C	Draft Petroleum Hydrocarbon Project Work Plan	5/18/12	7/18/12	Water Board Requested 30- day Extension				8/17/12

ATTACHMENT B

HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

August 23, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
2	C	Draft Survey Unit Project Reports for Survey Units 233, 234, 237, and 239	5/30/12	7/2/12			7/2/12		
3	E	Draft Final Status Survey Results, Building 500	6/4/12	7/5/12					
4	B	Final Petroleum Hydrocarbon Corrective Action, Quarterly Monitoring Report, Third Quarter 2011	6/1/12	n/a					
5	UC-1,2	Final Remedial Action Work Plan	6/4/12	n/a					
6	E	Draft Survey Unit Project Reports for Survey Units 214, 215, 216 and 217	6/8/12	7/8/12			7/9/12		
7	E	Draft Survey Unit Project Reports for Survey Units 218, 222, 223, and 224	6/21/12	7/23/12					
8	E	Draft Final Status Survey Results, Former Building 529 Site	6/18/12	7/18/12					
9	E	Draft Final Status Survey Results, Former Building 510/510A Site	6/27/12	7/27/12					
10	B	Replacement Pages for Final Petroleum Hydrocarbon Site Closeout Report, Site-Specific Attachment for AOC 46-D Revision 1	6/29/12	n/a					
11	E	Final Work Plan Addendum to the Parcel E Groundwater Treatability Study	7/9/12	n/a					
12	E-2	Final WP Ship Shielding Range	7/9/12	n/a					
13	B, D-1, G and UC-2	Final Tech Memo for Monitoring Program Optimization	7/13/12	n/a					

ATTACHMENT B

HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

August 23, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
Documents Currently Under Review									
1	E	Draft Final Status Survey Results at Former Building 509 Site	7/9/12	8/10/12			8/10/12		
2	B	Amendment to Revised Final Design Basis Report for Parcel B (Excluding IR Sites 7/18)	7/18/12	8/17/12		8/15/12	8/15/12	8/14/12	8/21/12
3	E-2	Final Addendum 01 to the Final Sampling And Analysis Plan, Interim Monitoring and Maintenance Program for Landfill Gas Control System	7/23/12	n/a					
4	E-2	Final Landfill Gas Monitoring Report, April-June 2012, Post Removal Action	7/17/12	n/a					
5	F	Draft Tech Memo for RAD Data Gap Investigation Phase 2a	7/31/12	8/31/12					
6	C	Draft Final Remedial Design and Design Basis Report	7/27/12	8/27/12					
7	F	Final Pier Demolition Removal Action Completion Summary Report	8/6/12	n/a					
8	C	Draft SUPR for Survey Units 236, 238, 242, and 243	7/31/12	8/31/12					
9	C	Final SUPR for Survey Units 191, 193, 195 and 196	8/3/12	n/a					
10	E	Final Parcel E Soil Excavation Characterization Work Plan	8/6/12	n/a					
11	B	2nd Quarter 2012 O&M Inspection Report for IR Sites 7/18	8/3/12	n/a					

ATTACHMENT B

HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

August 23, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
Documents For Upcoming Review (next 3 months)									
1	E	Final Rad Addendum to Parcel E FS	8/31/12	n/a	Date Tentative				
2	E	Final Parcel E FS	8/31/12	n/a	Date Tentative				
3	B	Draft Remedial Action Work Plan	9/4/12	30 days from submittal date	Date Tentative				
4	E-2	Draft Final ROD to BCT	9/10/12	30 days from submittal date	Date Tentative				
5	G	Draft Remedial Action Work Plan	9/14/12	30 days from submittal date	Date Tentative				
6	C	Final Remedial Design	9/18/12	n/a	Date Tentative				
7	E	Draft IR 03 Treatability Study Report	9/24/12	30 days from submittal date	Date Tentative				
8	C	Draft Remedial Action Work Plan for RU- C2	9/26/12	30 days from submittal date	Date Tentative				
9	B	Final Design Amendment Parcel B	9/26/12	30 days from submittal date	Date Tentative				

ATTACHMENT B

HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

August 23, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
10	E-2	Draft Field Summary Report for Geotechnical Investigation	10/22/12	30 days from submittal date	Date Tentative				
11	C	Draft Remedial Action Work Plan for RU- C1, RU-C4, RU-C5, and Building 241 Area	10/31/12	30 days from submittal date	Date Tentative				
12	F	Draft Final Radiological Data Gaps Investigation Tech Memo #2a	10/31/12	30 days from submittal date	Date Tentative				
13	B	Final Remedial Action Work Plan	11/13/12	30 days from submittal date	Date Tentative				
14	E-2	Final Record of Decision	11/14/12	n/a	Date Tentative				
15	UC-1,2	Draft RACR	11/15/12	30 days from submittal date	Date Tentative				
16	G	Final Remedial Action Work Plan	11/16/12	n/a	Date Tentative				

CDPH

California Department of Public Health

RI

Remedial investigation

DTSC

Department of Toxic Substances Control

RTC

Response to comment

EPA

U.S. Environmental Protection Agency

SF

San Francisco

FOSL

Finding of suitability to lease

TCRA

Time critical removal action

FOST

Finding of suitability to transfer

TPH

Total petroleum hydrocarbon

FS

Feasibility study

Water Board

San Francisco Bay Regional Water Quality Control Board

FSS

Final Status Survey

n/a

Not applicable

ATTACHMENT C**HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS**

Item No.	Action Item	Person Authoring the Action Item	Due Date	Person/Agency Committing to Action Item	Resolution Status
Ongoing Action Items					
1	Mr. Cooper would like to see the data points where the Navy found low-level cesium detections in the utility corridor investigation along the Gun Mole Pier.	Navy		Navy	In progress.
2	The Navy will submit a letter to the regulatory agencies documenting the new Parcel boundary between Parcel E and E-2.	Navy		Navy	In progress.